Sampurna Prabhu 22101A0078-IMFT-A Assingmenty: Cyber Security Luny are digital Signature considered more secure than Kandwritten Signatures un regul and Francial transaction? Discuss now strused digital Signatures in India has accelérated ittiedophies Odigitul governance. Soln Digital Signature VIS Handwritten Signatures In Legal and Financial Transactions WScamby of Digital Signatures: Digitut signatures are generally considered more Seavre than handwinten signatures because they willize onphographic algorithm - Suchas Publickey Inhatnuch Hensure Athat the Signature is Obiquel fied hothisigner and the downers. (1) Digital Signature (i) Ruthen Krate Identity:-They confirm the signes identity through encyption Keys which are difficult to frige. (i) Provide non-reputiation: - Once a document is digitally Signed All signer cannot deny other Involvemen Signing Alidownent. wij Digitul Signatures and Digital Governance India has embraced digital signature obstance and simplify govarance fostang tu digital economy anden cara

Obline mosachen The Acidhar system (a biometric. Identification programm) and efiling dtuxes benefit from digital Signatur Hensure du seauty and authentique dranscation. Q.2 How does CERT-In Collaborate with Introducional cyberscamity agencies 2) How does CERT-In's role extend beyond Incident response to Include produce measures like vulo exubility assess Soln CERT-In's Collaboration with Internationa - Cyber Security Agencies to Combat cyber threats and Improve cyber security -EMINTERDI:- CERT-Inworks with Interpol to share Intelligence on enkying apper morecuts and Improve after security 170 (Inknowna) Telecommunication Union): - CERT-In participates in global frum swith 1TU be establish aporseasing Standards soest prairies andresponses to large Scale aport incident till CERT-In's Role Beyond Incident.

Response-

	Page No. Date
	while CERT-In is primarily focused
*	On incident response, ut. also plays
	a proactive in enhancing Indials
	hyberseanity posture.
0	Capacity building: - CERT-Inwarks
	to enhance the upper se curity knowledge
	and readiness of both public and
	private sector entities through training
	and awareness programm
•	Vulnerability assessments -
	CERT-In conducts assessments to
	Identify weakness in infrastructure
*	andrécommends mitigation stratégies.
0.3	with the risc of AT-driven affack's
	and quantum Computing on the
	hanzon do you think coment
	mechanism like browdles and everyp-
	-han will become obsoletel
Solp	Impact of Al and Quantum Compating
	on hybersecurity
, , ,	As At-driven attacks and quantum
	Computing evolve traditional security
	mechanisms, such as firewalls and
•	encryption, fuce growing challenges.
	Aldriveri attacks: - Al Can be used
	to automate and refine attacks
	making them fuster imore trajeted
	and harder to detect.